



PTO/SB/08A (08-03)

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 9

**Complete If Known**

Application Number	10/533,846
Filing Date	11/11/05
First Named Inventor	Jacques Beaurain, et al.
Art Unit	3738
Examiner Name	Alvin J. Stewart
Attorney Docket Number	LDR/10/US / AK 159656

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
/AY/		US-6,368,350	04/09/2002	Erickson, et al.	
		US-5,507,816	04/16/1996	Bullivant	
		US-6,994,727	02/07/2006	Khandkar, et al.	
		US-6,506,216 B1	01/14/2003	McCue, et al.	
		US-6,344,057 B1	02/05/2002	Rabbe, et al.	
		US-6,319,257 B1	11/20/2001	Carignan, et al.	
		US-6,146,421	11/14/2000	Gordon, et al.	
		US-6,045,552	04/04/2000	Zucherman, et al.	
		US-5,893,889	04/13/1999	Harrington	
		US-5,888,226	03/30/1999	Rogozinski	
		US-5,674,294	10/07/1997	Bainville, et al.	
		US-5,556,431	09/17/1996	Buettner-Janz, et al.	
		US-5,401,269	03/28/1995	Buettner-Janz, et al.	
		US-5,358,526	10/25/1994	Tornier	
		US-5,314,477	05/24/1994	Marney	
		US-5,197,986	03/30/1993	Mikhail	
		US-4,997,432	03/05/1991	Keller	
		US-4,759,766	07/26/1988	Buettner-Janz, et al.	
		US-2006/0041314	02/23/2006	Millard	
		US-2005/0085917	04/21/2005	Marney, et al.	
		US-2004/0117022	06/17/2004	Marney, et al.	

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/Andrew Yang/

Date  
Considered

04/10/2007

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)		Application Number	10/533,846
		Filing Date	11/11/05
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		Art Unit	3738
		Examiner Name	Alvin J. Stewart
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/AY/		US-2004/0073311 A1	04/15/2004	Ferree	
		US-2004/0010316	01/15/2004	William, et al.	
		US-2004/0002761 A1	01/01/2004	Rogers, et al.	
		US-2003/0220691 A1	11/27/2003	Songer, et al.	
		US-6,800,093	10/05/2004	Nicholson, et al.	
		US-6,793,678	09/21/2004	Hawkins	
		US-6,770,095	08/03/2004	Grinberg, et al.	
		US-6,770,074	08/03/2004	Michelson	
		US-6,767,367	07/27/2004	Michelson	
		US-6,764,515	07/20/2004	Ralph, et al.	
		US-6,764,512	07/20/2004	Keller	
		US-6,755,841	06/29/2004	Fraser, et al.	
		US-6,749,635	06/15/2004	Bryan	
		US-6,740,118	05/25/2004	Eisermann, et al.	
		US-6,740,117	05/24/2004	Ralph, et al.	
		US-6,736,850	05/18/2004	Davis	
		US-6,733,535	05/11/2004	Michelson	
		US-6,733,532	05/11/2004	Gauchet, et al.	
		US-6,733,504 B2	05/11/2004	Lin, et al.	
		US-6,730,088	05/04/2004	Yeh	
/AY/		US-6,726,720	04/27/2004	Ross, et al.	

FOREIGN PATENT DOCUMENTS						
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				Examiner Name	Alvin J. Stewart
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/AYI/		US-6,723,127	04/20/2004	Ralph, et al.	
		US-6,719,794	04/13/2004	Gerber, et al.	
		US-6,709,439	03/23/2004	Rogers, et al.	
		US-6,706,068	03/16/2004	Ferree	
		US-6,695,882	02/24/2004	Bianchi, et al.	
		US-6,695,851	02/24/2004	Zdeblick, et al.	
		US-6,682,562	01/27/2004	Viar, et al.	
		US-6,679,915	01/20/2004	Cauthen	
		US-6,673,113	01/06/2004	Ralph, et al.	
		US-6,669,732	12/30/2003	Serhan, e al.	
		US-6,669,731	12/30/2003	Ralph, et al.	
		US-6,669,730	12/30/2003	Ralph, et al.	
		US-6,656,224	12/02/2003	Middleton	
		US-6,652,586	11/25/2003	Hunter, et al.	
		US-6,652,533	11/25/2003	O'Neil	
		US-6,645,249	11/11/2003	Ralph, et al.	
		US-6,645,206 B1	11/11/2003	Zdeblick, et al.	
		US-6,616,671	09/09/2003	Landry, et al.	
		US-6,613,091 B1	09/02/2003	Zdeblick, et al.	
		US-6,610,093	08/26/2003	Pisharodi	
/AYI/		US-6,610,092	08/26/2003	Ralph, et al.	

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/AY/		US-6,610,089 B1	08/26/2003	Liu, et al.	
		US-6,607,558	08/19/2003	Kuras	
		US-6,599,320	07/29/2003	Kuslich, et al.	
		US-6,592,624	07/15/2003	Fraser, et al.	
		US-6,582,468	06/24/2003	Gauchet, et al.	
		US-6,579,291 B1	06/17/2003	Keith, et al.	
		US-6,540,785	04/01/2003	Gill, et al.	
		US-6,527,806	03/04/2003	Ralph, et al.	
		US-6,527,804	03/04/2003	Gauchet, et al.	
		US-6,524,312	02/25/2003	Landry, et al.	
		US-6,520,996	02/18/2003	Manasas, et al.	
		US-6,517,580	02/11/2003	Ramadan, et al.	
		US-6,514,260	02/04/2003	Zdeblick, et al.	
		US-6,482,234	11/19/2002	Weber, et al.	
		US-6,478,823 B1	11/12/2002	Michelson	
		US-6,471,724	10/29/2002	Zdeblick, et al.	
		US-6,468,310	10/22/2002	Ralph, et al.	
		US-6,447,547 B1	09/10/2002	Michelson	
		US-6,447,512 B1	09/10/2002	Landry, et al.	
		US-6,440,168	08/27/2002	Cauthen	
/AY/		US-6,423,095 B1	07/23/2002	Van Hoeck, et al.	

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		US-6,402,785	08/11/2002	Zdeblick, et al.	
		US-6,402,750 B1	06/11/2002	Atkinson, et al.	
		US-6,395,035	05/28/2002	Bresina, et al.	
		US-6,387,130	05/14/2002	Stone, et al.	
		US-6,375,655 B1	04/23/2002	Zdeblick, et al.	
		US-6,371,988 B1	04/16/2002	Pafford, et al.	
		US-6,364,880 B1	04/02/2002	Michelson	
		US-6,315,797	11/13/2001	Middleton	
		US-6,306,170 B2	10/23/2001	Ray	
		US-6,296,664	10/02/2001	Middleton	
		US-6,283,998	09/04/2001	Eaton	
		US-6,277,149 B1	08/21/2001	Boyle, et al.	
		US-6,270,498	08/07/2001	Michelson	
		US-6,267,763	07/31/2001	Castro	
		US-6,264,656 B1	07/24/2001	Michelson	
		US-6,261,293 B1	07/17/2001	Nicholson, et al.	
		US-6,258,094 B1	07/10/2001	Nicholson, et al.	
/AY/		US-6,245,072 B1	06/12/2001	Zdeblick, et al.	

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		US-6,228,118	05/08/2001	Gordon	
		US-6,224,595 B1	05/01/2001	Michelson	
		US-6,210,412 B1	04/03/2001	Michelson	
		US-6,206,922 B1	03/27/2001	Zdebllick, et al.	
		US-6,193,757 B1	02/27/2001	Foley, et al.	
		US-6,179,874	01/30/2001	Cauthen	
		US-6,156,067	12/05/2000	Bryan, et al.	
		US-6,149,650	11/21/2000	Michelson	
		US-6,146,422	11/14/2000	Lawson	
		US-6,136,031	10/24/2000	Middleton	
		US-6,113,638	09/05/2000	Williams, et al.	
		US-6,113,637	09/05/2000	Gill, et al.	
		US-6,096,080	08/01/2000	Nicholson, et al.	
		US-6,096,038	08/01/2000	Michelson	
		US-6,093,205	07/25/2000	McLeod, et al.	
		US-6,080,158	06/27/2000	Lin	
		US-6,063,121	05/16/2000	Xavier, et al.	
		US-6,039,763	03/21/2000	Shelokov	
		US-6,033,438	03/07/2000	Bianchi, et al.	
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Substitute for form 1449/PTO				<b>Complete if Known<sup>1</sup></b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)				Application Number	10/533,846
				Filing Date	11/11/05
				First Named Inventor	Jacques Beaurain, et al.
				Art Unit	3738
				Examiner Name	Alvin J. Stewart
Sheet	7	of	9	Attorney Docket Number	LDR/10/US / AK 159656

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/AY/		US-5,984,967	11/16/1999	Zdeblick, et al.	
		US-5,899,941	05/04/1999	Nishijima	
		US-5,895,428	04/20/1999	Berry	
		US-5,888,224	03/30/1999	Beckers, et al.	
		US-5,827,328	10/27/1998	Buttermann	
		US-5,797,909	08/25/1998	Michelson	
		US-5,782,919	07/21/1998	Zdeblick, et al.	
		US-5,782,832	07/21/1998	Larsen, et al.	
		US-5,776,199	07/07/1993	Michelson	
		US-5,772,661	06/30/1998	Michelson	
		US-5,766,252	06/16/1998	Henry, et al.	
		US-5,741,253	04/21/1998	Michelson	
		US-5,722,977	03/03/1998	Wilhelmy	
		US-5,702,472	12/30/1997	Huebner	
		US-5,702,450	12/30/1997	Bissiere	
		US-5,683,465	11/04/1997	Shinn, et al.	
		US-5,676,702	10/14/1997	Ratron	
		US-5,676,701	10/14/1997	Yuan, et al.	
		US-5,645,596	07/08/1997	Kim	
		US-5,609,636	03/11/1997	Kohrs, et al.	
/AY/		US-5,562,738	10/08/1996	Boyd, et al.	

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/AY/		US-5,534,029	07/09/1996	Shima	
		US-5,425,773	06/20/1995	Boyd, et al.	
		US-5,397,364	03/14/1995	Kozak, et al.	
		US-5,370,697	12/06/1994	Baumgartner	
		US-5,306,309	04/26/1994	Wagner, et al.	
		US-5,258,031	11/02/1993	Salib, et al.	
		US-5,246,458	09/21/1993	Graham	
		US-5,171,281	12/15/1992	Parsons, et al.	
		US-5,123,926	06/23/1992	Pisharodi	
		US-5,071,437	12/10/1991	Steffee	
		US-5,002,576	03/26/1991	Fuhrmann, et al.	
		US-4,955,908	09/11/1990	Frey, et al.	
		US-4,946,378	08/07/1990	Hirayama, et al.	
		US-4,932,975	06/12/1990	Main	
		US-4,911,718	03/27/1990	Lee, et al.	
		US-4,759,769	07/26/1988	Hedman, et al.	
		US-4,714,469	12/22/1987	Kenna	
		US-4,349,921	09/21/1982	Kuntz	
		US-4,309,777	01/12/1992	Patil	
		US-4,085,466	04/25/1978	Goodfellow, et al.	
/AY/		US-3,958,278	05/25/1976	Lee, et al.	

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Sheet	9	of	9	Attorney Docket Number	LDR/10/US / AK 159656

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/AY/		US-2005/0246024 A1	11/03/2005	Zeegers	
		US-2005/0197706 A1	09/08/2005	Hovorka, et al.	
		US-2005/0065611 A1	03/24/2005	Huppert, et al.	
		US-2004/0243240 A1	12/02/2004	Beaurain, et al.	
		US-2004/0193273	09/20/2004	Huang	
		US-2004/0162617 A1	08/19/2004	Zucherman, et al.	
		US-2004/0148029 A1	07/29/2004	Bianchi, et al.	
		US-2004/0143332	07/22/2004	Krueger, et al.	
		US-2004/0133278	07/08/2004	Marino, et al.	
		US-2004/0111160	06/10/2004	Evans, et al.	
		US-2004/0093082	05/13/2004	Ferree	
		US-2004/0073309 A1	04/15/2004	Bianchi, et al.	
		US-2004/0034423	02/19/2004	Lyons, et al.	
		US-2003/0187506	10/02/2003	Ross, et al.	
		US-2003/0109928 A1	06/12/2003	Pasquet, et al.	
		US-2003/0028249 A1	02/06/2003	Baccelli, et al.	
		US-2002/0143343	10/03/2002	Castro	
/AY/		US-2001/0020185 A1	09/06/2001	Ray	

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Sheet	1	of	7
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<b>Application Number</b>	10/533,846
<b>Filing Date</b>	11/11/05
<b>First Named Inventor</b>	Jacques Beaurain, et al.
<b>Art Unit</b>	3738
<b>Examiner Name</b>	Alvin J. Stewart
<b>Attorney Docket Number</b>	LDR/10/US / AK 159656

[illegible]

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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
/AY/		FR2865630A1	08/05/2005	France		
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		DE20310433U	09/18/2003	Germany	See ISR on WO5104996	
		DE20310432U	09/04/2003	Germany	See ISR on WO5104996	
		WO03059212A	07/24/2003	PCT		
↓		WO02089701A2	11/14/2002	PCT		
	/AY/	WO0119295A	03/22/2001	PCT		

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/Andrew Yang/

Date Considered

04/10/2007

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*(Use as many sheets as necessary)*

Sheet	2	of	7
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<b>Application Number</b>	<b>10/533,846</b>
<b>Filing Date</b>	<b>11/11/05</b>
<b>First Named Inventor</b>	<b>Jacques Beaurain, et al.</b>
<b>Art Unit</b>	<b>3738</b>
<b>Examiner Name</b>	<b>Alvin J. Stewart</b>
<b>Attorney Docket Number</b>	<b>LDR/10/US / AK 159656</b>

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		FR2787021A	06/16/2000	France		
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		EP0955021A	11/10/1999	EPO		
/AY/		FR2737656A	02/14/1997	France		

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		WO05104996	11/10/2005	PCT			
		FR2869528	11/04/2005	France			
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		FR2865629	08/05/2005	France			
/AY/		WQ04041129A1	05/21/2004	PCT			

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		FR2824261	11/08/2002	France		
		WO9909914	03/04/1999	PCT		
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				Application Number	10/533,846
				Filing Date	11/11/05
				First Named Inventor	Jacques Beaurain, et al.
				Art Unit	3738
				Examiner Name	Alvin J. Stewart
				Attorney Docket Number	LDR/10/US / AK 159656
Sheet	6	of	7		

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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> --Number <sup>4</sup> --Kind Code <sup>5</sup> (if known)				
/AY/		WO9404100	03/03/1994	PCT		
↓		EP0566810A1	10/27/1993	EPO		
		WO9301771A	02/04/1993	PCT		
		EP0512529A	11/11/1992	EPO		
		WO9113598A	09/19/1991	PCT		
↓		DE8912648U	11/22/1990	Germany		
/AY/		WO9011740A	10/18/1990	PCT		

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Filing Date				11/11/05	
First Named Inventor				Jacques Beaurain, et al.	
Art Unit				3738	
Examiner Name				Alvin J. Stewart	
Attorney Docket Number				LDR/10/US / AK 159656	
Sheet	7	of	7		

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FOREIGN PATENT DOCUMENTS						
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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
/AY/		EP0356112	02/28/1990	EPO		
↓		FR2632516A	12/15/1989	France		
		EP0317972A	05/31/1989	EPO		
		EP0298235A	01/11/1989	EPO		
/AY/		DE2263842A	07/04/1974	Germany		

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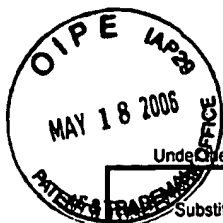
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		Application Number	10/533,846
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)		Filing Date	11/11/05
		First Named Inventor	Jacques Beaurain, et al.
		Art Unit	3738
		Examiner Name	Alvin J. Stewart
		Attorney Docket Number	LDR/10/US / AK 159656
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NON-PATENT LITERATURE DOCUMENTS			
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/AY/		A biological basis for instantaneous centres of rotation of the vertebral column, N. Bouduk, B. Amevo, M. Pearcy, Proc Institution Mechanical Engineers, June 16, 1995, pp 177-183	
		A Multicenter Retrospective Study of the Clinical Results of the LINK SB Charite Intervertebral Prosthesis, S. L. Griffith, PhD, A. P. Shelokov, MD, K. Buttner-Janz, MD, Jean-Phillipe LeMaire, MD and W. S. Zeegers, MD, Spine, Vol. 19, Number 16, pp 1842-1849, March 21, 1994	
		A New Technique for the Three-Dimensional Study of the Spine in Vitro and In Vivo by Using a Motion-Analysis System, X. Liu, G. Fabry, K. Labey, L. Van Den Berghe, R. Van Audekercke, G. Molenaers, P. Moens, Journal of Spinal Disorders, Vol. 10, No. 4, pp. 329-338, January 30, 1997	
		Alternatives to Spinal Fusion, J. P. Kostuik, Spinal Fusion, Volume 29, Number 4, October 1998, pp 701-415	
		Centrode Patterns and Segmental Instability in Degenerative Disc Disease, S.D. Gertzbar, MD, FRCS, J. Seligman, MD, R. Holtby, MD, K.H. Chan, MD, A. Kapasouri, BSc, M. Tile, MD, BSc, (MED), FRCS, and B. Cruickshank, MD, FRCP, Spine, Vol 10., Number 3, pp 257-261, January 21, 1984	
		Clinical Biomechanics of the Spine, A. A. White III, M. M. Panjabi, pp. 128-130, 2nd Edition, J.B. Lippincott Co., 1990	
		Computer Analysis of Spinal Segment Motion in Degenerative Disc Disease With and Without Axial Loading, J.V. Seligman, S.D. Gertzbein, M. Tile, A., Kapasouri, Spine, Vol. 9., No. 6, pp. 566-573, December 31, 1983	
		FR 2 718 635 Preliminary Search Report, National Institute of Industrial Property (France), January 16, 1995	
↓		FR 2 730 159 Preliminary Search Report, National Institute of Industrial Property (France), September 29, 1995	
/AY/		FR 2 824 261 Preliminary Search Report, National Institute of Industrial Property (France), February 25, 2002	

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		Attorney Docket Number	LDR/10/US / AK 159656
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/AY/		FR 2 831 796 Preliminary Search Report, National Institute of Industrial Property (France), August 2, 2002	
		FR 2 846 550 Preliminary Search Report, National Institute of Industrial Property (France), July 10, 2003	
		FR 2 865 629 Preliminary Search Report, National Institute of Industrial Property (France), September 14, 2004	
		FR 2 865 630 Preliminary Search Report, National Institute of Industrial Property (France), January 12, 2005	
		FR 2 869 528 Preliminary Search Report, National Institute of Industrial Property (France), December 13, 2004	
		Instantaneous Axis of Rotation as a Function of the Three Columns of the Spine, T. R. Haheer, MD, M. O'Brien, MD, W. T. Felmy, MD, D. Welin, MD, G. Perrier, MD., J. Choueka, MD, V. Devlin, MD, A. Vassiliou, ME, and G. Chow, MS, Spine, Vol 17, No. 6, pp S149-S154, January 9, 1992	
		Instantaneous Axis of Rotation of the Lumbar Intervertebral Joints, M. J. Pearcy, H. Bogduk, Spine, Vol. 13, No. 9, pp. 1033-1041, November 15, 1987	
		Mobidisc (website) 1 page, www.lidrmedical.fr/mobidisc.htm, September 19, 2004	
↓		Motion Characteristics of the Normal Lumbar Spine in Young Adults: Instantaneous of Axis of Rotation and Vertebral Center Motion Analysis, T. Yoshioka, H. Tsuji, N. Hirano and S. Sainoh, Journal of Spinal Disorders, Vol. 3, No. 2, pp. 103-113, 1990	
/AY/		PCT/IB02/02998 International Search Report, EPO, September 16, 2003	

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Sheet	3	of	3

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/AY/		PCT/IB02/04642 International Search Report, EPO, July 02, 2003	
		PCT/IB05/00280 International Search Report, EPO, June 24, 2005	
		PCT/IB05/01151 International Search Report, EPO, September 12, 2005	
		PCT/IB03/04872 International Search Report, EPO, March 3, 2004	
		PCT/IB02/02998 International Preliminary Examination Report, EPO, December 22, 2003	
		PCT/IB02/04642 International Preliminary Examination Report, EPO, April 1, 2004	
		PCT/IB03/04872 International Preliminary Examination Report, EPO, March 01, 2005	
↓		Relocation of the Bending Axis During Flexion-Extension of Lumbar Intervertebral Discs and its Implications for Prolapse, J.A. Klein and D.W.L. Hukins, Spine, Vol. 8, Number 6, pp 659-664, November 18, 1982	
/AY/		The Effect of the Three Columns of the Spine on the Instantaneous Axis of Rotation in Flexion and Extension, T. R. Maher, M. Bergman, M. O'Brien, W. T. Felmy, J. Choueka, D. Wellin, G. Chow, A. Vassiliou, Spine, Vol. 16, Number 8, pp S312-S318, April 16, 1991	

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